



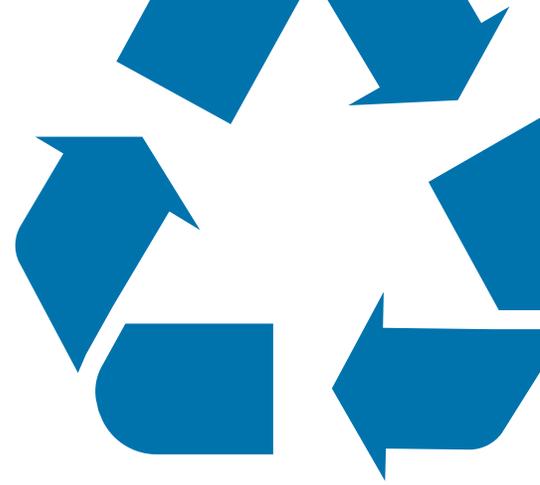
**DAVIDSON COUNTY
SOLID WASTE REGION BOARD**

ANNUAL PROGRESS REPORT

20

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ABOUT SOLID WASTE REGION BOARDS

The 1991 Solid Waste Management Act required Tennessee Counties to form municipal solid waste regions. While some regions are multi-county solid waste regions, many counties in Tennessee formed a single county region. This was the case with Davidson County.

Solid waste regions were required to appoint a board that represented the cities and county within the region and to administer the activities of the solid waste planning region. Members serve for a six-year term (TCA 68-211-813).

The roles of the solid waste region board are the following:

1

Create a 10 Year Solid Waste Management Plan to reduce waste entering MSW landfills by 25% and ensure adequate disposal capacity. Each year the region board is required to submit an “Annual Progress Report” the Tennessee Department of Environment and Conservation describing any changes in the 10 Year Plan, current recycling and disposal data and future needs for the region.

2

Review permit applications for solid waste disposal facilities or incinerators within the region. The board is required to review the application against the 10 Year Plan and determine whether the application is in compliance with the plan and TCA 68-211-814.

3

Flow control or restricting import/export of solid waste across the region’s boundaries. Davidson County does not restrict the movement of solid waste.

State law also allowed for the creation of solid waste authorities. Solid waste authorities are entities having administrative, financial, and technical power to implement regional solid waste plans and programs. Davidson County did not opt for a solid waste authority.

More information on the Davidson County Solid Waste Region Board and the current Solid Waste Management Plan can be found at nashville.gov/departments/water/boards/solid-waste-region-board

ADMINISTRATIVE CONTACT INFO

REPORT
AUTHOR

01 — Clayton Hand, Environmental Engineer

Metro Water Services, Waste Services Division
1915 Cement Plant Rd., Nashville, TN 37208
615.862.5000
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BOARD
CHAIR

02 — Damita Beck-Taylor, Solid Waste Region Planning Board

1708 14th Ave North, Nashville, TN, 37208

PLANNING BOARD

NAME	REPRESENTING
Diehl, Robert	Nashville & Davidson County
Grimes, Dale	Oak Hill
Greiner, Patrick	Nashville & Davidson County
Hackett, Jennifer	Nashville & Davidson County
McCormick, Jeff	Goodlettsville
Moody, Jennifer	Belle Meade
Stutzman, Emily	Nashville & Davidson County
Sullivan, Michael	Berry Hill

LOCAL GOVERNMENT CONTACTS

LOCAL
GOVERNMENT
MAYOR

John Cooper, Mayor

Metro Courthouse, 1 Public Square, Nashville, TN 37201
615.862.6000

METRO WATER
SERVICES

John Honeysucker, Assistant Director

1600 2nd Ave N, Nashville, TN 37208

Jenn Harrman, Zero Waste Program Manager

Sharon Smith, Special Projects Manager

1915 Cement Plant Rd., Nashville, TN 37208



10 YEAR PLAN UPDATE

Thinking over the next 10 years, will any of the contents of the current Regional Plan need to be updated?

The contents of the Municipal Solid Waste Region Plans, described in §68-211-815(b), are listed below. By checking the box for that section, there will be an opportunity to review and amend the section. Tennessee Code Annotated requires Region plan amendments shall be consistent with the state solid waste plan.

- Demographics
- Current System Analysis
- Adoption of the uniform financial accounting system required by §68-211-874
- Anticipated growth trends for the next ten-year period
- Anticipated waste capacity needs
- Planned capacity assurance, including descriptions of planned or needed facilities
- A recycling plan, including a description of current public and private recycling efforts and planned efforts to enhance recycling within the county or region
- A plan for the disposal of household hazardous wastes
- A description of waste reduction and recycling activities designed to attain the goal required by §68-211-861
- A description of education initiatives aimed at businesses, industries, schools, citizens and others; which addresses recycling, waste reduction, collection and other goals
- An evaluation of multi-county solid waste disposal region options with an explanation of the reasons for adopting or failing to adopt a multi-county regional approach
- A timetable for implementation of the plan
- A description of the responsibilities of the various participating jurisdictions
- A plan for managing solid waste generated as a result of disasters or emergencies, based upon the FEMA 325 Public Assistance Program



No. The plan is up to date and correct.

ANNUAL PROGRESS REPORT

Convenience Centers

Name & Address	Permit	Hours & Phone	Accepted Items
Anderson Lane Center 939A Anderson Lane Madison, TN 37115	CCC190000168	Tue-Sat 8:30am-4:30pm 615.860.2588	Metals, Paper, Glass, Plastic, Tires, Compost, Mattresses
East Center 943A Doctor Richard G. Adams Dr. Nashville 37207	CCC190000167	Tue-Sat 8:30am-4:30pm 615.862.8631	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Waste, Paint, Compost, Mattresses, Carpet
Ezell Pike Center 5113 Harding Place Nashville, TN 37211	CCC190000566	Tue-Sat 8:30am-4:30pm 615.880.2530	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Waste, Paint, Compost, Mattresses, Carpet, Brush
Omohundro Center 1019 Omohundro Pl. Nashville, TN 37210	CCC190000484	Tue-Sat 8:30am-4:30pm 615.860.2588	Metals, Paper, Glass, Plastic, Pallets, Tires, E-Waste, Compost, Mattresses

Public Collection (Green Box)

Does your local government have any green boxes? **NO**

Publicly Operated Curbside Municipal Solid Waste Programs

Jursidiction	Collection Management	Collection Frequency	Collection Method	Collection: Other Items	Households
Davidson County - USD	Public & Contract	Weekly	Fully/Semi - Automated	Brush, Bulky Waste, White Goods	142,610
City of Berry Hill	Contract	Weekly	Semi - Automated	Brush, Bulky Waste, White Goods	204
City of Oak Hill	Contract	Weekly	Manual	Brush, Bulky Waste, White Goods	1,881
City of Belle Meade	Contract	Weekly	Manual	Brush	1,150
City of Goodlettsville	Contract	Weekly	Semi - Automated	Brush, Bulky Waste, White Goods	5,255
City of Forrest Hills	Open Market	Weekly	Manual	Brush	2,912



ANNUAL PROGRESS REPORT

Publicly Operated Curbside Recycling Programs

Jursidiction	Collection Management	Materials	Collection Method	Cart Size	Frequency	Households
Davidson County - USD	Public	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal	Monthly	109,261
City of Berry Hill	Public	Fiber/Paper, Plastic, Metals	Single Stream	32 Gal	Weekly	204
City of Oak Hill	Public	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal	Weekly	1,881
City of Belle Meade	Public	Fiber/Paper, Plastic, Metals	Single Stream	33 Gal	Weekly	1,150
City of Goodlettsville	Public	Fiber/Paper, Plastic, Metals	Single Stream	96 Gal	Every Other Week	5,255

Publicly Operated Recycling Drop-off Locations

Location	Address	Restricted Access/ Staffed	Acceptable Material
Bellevue Metro Transit Authority's Park & Ride	Coley Davis Road and Hwy 70 S	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers
Cane Ridge High	12848 Old Hickory Blvd	No / No	Same as above
Granberry Elementary	5501 Hill Rd	No / No	Same as above
Hillsboro High School	3812 Hillsboro Pike.	Yes / No	Same as above
Joelton Middle	3500 Old Clarksville HWY	No / No	Same as above
Lakewood City Hall	3401 Old Hickory Blvd	No / No	Same as above
McGavock HS	3150 McGavock Pk	No / No	Same as above
Tennessee State University	38th Ave N. & Albion St	No / No	Same as above
Whites Creek HS	7277 Old Hickory Blvd	No / No	Same as above
Old Ben West Library	Polk Ave & Union St.	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, plastic bottles & containers (NO GLASS)



ANNUAL PROGRESS REPORT

Publicly Operated Curbside Recycling Programs

Facility	Address	Acceptable Material	Sorting	Pricing
WM River Hills	208 River Hills Dr.	Paper, Plastic, Metals	Not Sorted	Contract
WM River Hills	1740 River Hills Dr.	Glass	Manual	Contract
Dynamic Lifecycle Innovations	3520 Ambrose Ave	E-waste	Manual	Contract
SA Recycling	710 1st St.	Metals	Manual	Spot Pricing
Spring Back Recycling	921 Cherokee Ave	Mattresses	Manual	Contract
Southeastern Recycling	15 Fairfield Ave.	Carpet and Carpet Pad	Manual	Contract
Liberty Tire Recycling	600 River Ave., Pittsburg	Tires	Manual	Contract
The Compost Company	3643 TN 12, Ashland City	Food Waste	Manual	Contract

Restrictions or Bans on Wastes Collected

Does the county or municipalities have any restrictions or bans placed on wastes collected?

Metro Nashville & Davidson County: Cardboard, E-Waste, Yard Waste

Obstacles to Expanding Recycling

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Funding | <input type="checkbox"/> Citizen Apathy | <input checked="" type="checkbox"/> Lack of support |
| <input checked="" type="checkbox"/> Education | <input checked="" type="checkbox"/> Markets | <input checked="" type="checkbox"/> Staff |
| <input checked="" type="checkbox"/> Other | | |

For our accepted materials, we are bound by what our contractor is capable of sorting and what investment they are willing to make in new equipment and technology to increase sorting capacity.

Management of Organics

City/County	Materials Collected	Products Produced	Who Performs the Services
Davidson County	Yard Waste, Tree Limbs, Post-Consumer Food Waste	Mulch, Compost	Private Ownership/ Private Operation



ANNUAL PROGRESS REPORT

Assistance for Backyard Composting

Does the county or its municipalities offer assistance for backyard composting? **YES**

Programs Offered	Education Programs, Demonstrations, Compost Bins
Number of Education Programs Conducted	11
Number of Demonstrations Conducted	2
Number of Compost Bins Distributed	40 sold, 28 bins given away to residents attending backyard composting webinars or teachers providing composting education in school gardens

Disaster Debris or Storm Event

In the last year, did a disaster debris or storm event increase the tonnage of organics diversion or disposal for the county or its municipalities? **NO**

Does your local government have a Disaster Debris Management Plan? **YES**

Has it been accepted by TEMA and FEMA? **YES**

Recycling Services for Other Entities

Does the county or its municipalities offer recycling service to other entities? **YES**

Municipality	Services Provided	Materials Collected	Commercial Entities Served	Special Events Served
Metro Nashville & Davidson - USD	Curbside, Containers	Paper, Plastic, Metals	101	5

Metro provides collection for Metro government facilities and some Metro sponsored events.



ANNUAL PROGRESS REPORT

Methods used to collect, transport, and dispose of MSW

Municipality	Collector	Equipment Type & Quantity	Destination
Metro Nashville & Davidson - USD	Publicly & Contract	Side Loader: 0 Front Loader: 8 Rear Loader: 6 Roll-off: 6	Transfer Station

Methods used to collect, transport, and process recyclables

Municipality	Collector	Equipment Type & Quantity	Destination
Metro Nashville & Davidson - USD	Publicly & Contract	Side Loader: 24 Front Loader: 2 Rear Loader: 30 Roll-off: 5	Recycling Processing Facility

Education Efforts

Dirt on Composting Webinar	101-500
Recycle Right Nashville	County-Wide
Sustainable in the City	501-10,000
Zero Waste Nashville	County-Wide
C&D Recycling and Reuse	101-500



ANNUAL PROGRESS REPORT

Funding Options Used by the County to Fund Programs

Jurisdiction	Funding Type	3 Year Average
Metro Nashville & Davidson	Surcharge	\$6/ton \$1/CY
Metro Nashville & Davidson	Disposal Fee	\$41.82
Metro Nashville & Davidson	Property Taxes / General Fund	\$25,862,400.00
Metro Nashville & Davidson	Sale of Recyclables	\$886,338.37
Metro Nashville & Davidson	Grants	\$47,000.00

Contracts

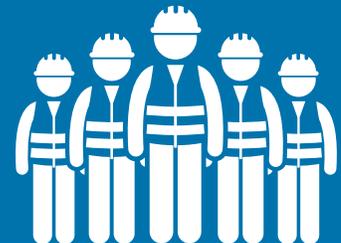
Jurisdiction	Contractor	Budget	Start Date	End Date	Type	Services
Davidson	Republic	\$7,081,100.00	01/2002	06/2027	Contract	Disposal
Davidson	Platform Capital	\$7,585,600.00	07/2004	11/2024	Contract	Collection
Davidson	Waste Industries	\$925,500.00	12/2019	11/2024	Contract	Collection
Davidson	Waste Management	\$7,500,000.00	05/2022	05/2027	Contract	Collection
Davidson	Waste Pro	\$7,500,000.00	07/2022	06/2027	Contract	Collection
Davidson	Waste Management	\$2,500,000.00	11/2015	11/2025	Contract	Recycling Processing

Are any of the above contracts considered an exclusive franchise? **NO**

Employee Breakdown

Waste Collection 44 Full-time Employees

Recycling Collection 38 Full-time Employees



ANNUAL PROGRESS REPORT

Budget

Business Unit	Business Unit Description	FY 22 Budget
65801300	Education/Pub Relations	\$443,400.00
65803100	Metro Collection	\$16,829,900.00
65803300	Downtown Business Collection	\$270,700.00
65803500	Front Loader Collection	\$323,300.00
65803600	Dead Animal Collection	\$66,900.00
65804200	Downtown Business Recycling	\$123,000.00
65804300	Curbside Recycling	\$3,812,900.00
65804511	Drop Off Recycle Centers	\$483,700.00
65804520	Convenience/Recycle Centers	\$3,072,600.00
65804800	Household Hazardous Waste	\$292,700.00
65804900	Tire Program	\$57,000.00
65805200	Landfill Engineering	\$352,300.00
65860000	Non-Allocated	\$4,431,400.00
65861110	Administration	\$5,191,100.00
Grand Total		\$35,750,900.00

TDEC SURVEY

1

Are there any policies, statutes, rules, protocols or ordinances that inhibit the county and municipalities from having effective programs? Reference specific statutes, rules, policies or documents when answering the question.

HB1021- This restricts local governments from adopting policies to regulate the use and sale of auxiliary containers, which is defined to include plastic bags and straws, from food and food service establishments. Plastic bags, single-use plastic utensils, and straws are not currently able to be recovered for recycling in the Middle Tennessee region, and they are unable to be regulated so are becoming waste to landfill or ending up as litter or in waterways. This policy specifically prohibits our ability to enact policies that support our Solid Waste Management Plan and efforts to reduce waste to MSW landfills. Downtown Nashville continues to be a significant generator of waste from glass bottles and this policy prevents our ability to minimize this excessive waste.

68-101-109: Labeling of Plastic Containers - This labeling continues to be misleading regarding the recyclability of materials. This confuses our customers on what can and cannot be recycled, increases contamination in recycling which directly affects the costs of the program, and creates a lack of confidence and trust in our program from our customers who see us as limiting what we can recycle, rather than only accepting materials that are actually recyclable.

2

Are there any parts or utility of the 10 Year Solid Waste and Materials Management Statewide Plan, Plan Update or Annual Progress Report the county and municipalities do not understand?

No.

3

What role can Materials Management play to be the biggest resource to the county and its municipalities?

Grant funding

Materials Management can support Metro Nashville Waste Services by providing funding opportunities to advance recycling infrastructure in the region. This includes support for growing construction and demolition recycling and food waste composting and anaerobic digestion so that higher diversion can be achieved for these materials that make up a vast majority of the municipality's waste stream going to MSW landfills.

TDEC SURVEY

Collaboration and resource sharing

Materials Management can also be a resource to the division by continuing to host forums to bring together municipal leaders from across Tennessee to discuss regional beneficial reuse, recycling, and disposal solutions, including the Top 5 city meetings and regional Greater Nashville Regional Council meetings. Additionally, it would be especially helpful for Materials Management to assist Metro and surrounding municipalities that use the same material recovery facility for commingled recycling – including satellite cities represented on the Davidson County Solid Waste Region Board -- in coming together to collaborate on messaging for accepted materials in our programs. It is confusing for residents when we educate them about our program acceptable materials and requirement for loose materials in the cart when they know that surrounding municipalities accept different materials, or accept material bagged instead of loose. Decisions made by each municipality impact the rest of Middle Tennessee.

Technical assistance

Providing technical assistance for enacting fee-based changes recommended in ZWMP, including transitioning to an enterprise fund and pay as you throw system.

4

1.What is needed in the county and municipalities to further waste reduction, recycling, diversion or end markets in Tennessee?

Non-matching grant funding

Matching grant funds can often be difficult for waste diversion programs and projects most needed for achieving long-term goals. Non-matching grant funding would go a long way to implement solutions for waste diversion, particularly in advancing food waste reduction and construction and demolition reuse and recycling.

End markets for materials

Especially #5 plastics, rigid plastics, compost, and construction and demolition materials.

Financial incentives for infrastructure and end market development

We have limited options for recycling and composting and need a more diverse system of solutions for materials that could be encouraged with financial incentives.

TDEC SURVEY

5

§68-211-871(b) requires an annual progress report on the implementation of the regional comprehensive integrated municipal solid waste management plan. What steps are the county and municipalities taking locally to contribute to regional plan implementation?

Two primary material streams making up a high volume of Nashville's waste stream are construction and demolition waste and food waste. Staff continue to manage the Debris Management Review (launched in July 2021) for large commercial building permits to gather jobsite level data for C&D waste management. Through this program, staff educate the building community on best practices for reducing C&D debris to landfill and connect these project teams with resources for recycling materials. Providing this education is a necessary step toward solid waste master plan recommendations for requiring recycling of these materials. Metro Nashville has also worked closely with and supported the Nashville Food Waste Initiative's development of a compost procurement policy to require the use of compost, thereby increasing the market for composted organics. The Mayor's Office is working with Metro's Department of General Service to pilot this policy to ensure feasibility. Metro Nashville Waste Services has also either directly applied or supported the applications for various grants to support expanding food scrap collection, processing, and diversion. This includes receiving funding for a 750-household food waste collection pilot program. We hope to start this pilot in 2023. Waste Services also successfully increased recycling collection frequency from once a month to every other week, which is anticipated to increase the amount of material recovered and reduce contamination.

6

What areas would you like to see the Division of Solid Waste Management focus on in coming years to help the county and municipalities be successful implementing the Region's plan and programs?

Economic development

Encourage recyclers and reuse/remanufacturing operations to come into the state to help develop regional infrastructure hubs around the top 5 cities that support waste reduction efforts. This would help build infrastructure networks for recycling and reuse that both Nashville and its surrounding counties could take advantage of. Specifically, it would be helpful to drive more C&D facilities and recyclers for hard to recycle materials to these hubs.

2022 LANDFILL REPORT

Municipal Solid Waste (Class I)

Landfill	2021 Tons	2022 Tons
BFI Middle Point	437,415.96	397,154.65
Bi-County	2,468.19	16,979.79
Cedar Ridge	253,452.80	317,470.42
Madison County	18.24	3.27
Meadow Branch	111.99	5.73
Rhea County	53.18	2.25
Smith County	178.68	110.57
West Camden	246,677.40	241,332.71
Bradley County	-	50.67
Chesnut Ridge	-	0.97
Out of State	47,655.12	155,524.43
TOTAL	988,031.56	1,128,635.46

C&D Landfill (Class III/IV)

Landfill	2021 Tons	2022 Tons
Southern Services	390,314.75	276,887.75
Smith County	42.70	6.99
MS-COT	1,357.00	
Bi-County	40,350.50	64,011.25
Rutherford County C&D		
TOTAL	432,064.95	340,905.99

2022 RECYCLING REPORT

Private Recycling Programs

Program Material	2021 Tons	2022 Tons
Automotive Fluids/ Batteries/HHW	1,229.57	1,639.08
C&D Recycling	13,186.22	5,332.37
Cardboard	32,928.83	39,134.41
Carpet/Pad	4,800.00	5,060.00
Food Waste	4,561.27	2,398.15
Glass	2,382.47	1,753.70
Grease	9,209.99	9,392.17
Metal/White Goods	73,207.95	56,489.17
Mixed Recyclables	9,369.06	6,528.7
Paper	9,558.92	22,681.92
Plastic	800.05	2,835.65
Textiles	9,005.50	2,322.10
Wood/Pallets	23,659.62	17,540.86
Tires	0.00	210.64
E-Waste	105.15	28.37
TOTAL	194,004.60	173,527.29

2022 RECYCLING REPORT

Public Recycling Programs

Program Material	2021 Tons	2022 Tons
Automotive Fluids/Batteries/HHW	31.81	6.96
Biosolids	21,051.64	24,277.99
Cardboard	3,229.68	2,716.67
E-Waste	38.66	52.87
Food Waste	56.00	199.00
Glass	2,679.54	2,079.24
Grease	8.92	13.16
Metals	764.83	925.66
Mixed Plastic/Metal	910.12	880.34
Mixed Recyclables (Single-Stream)	13,145.11	11,392.01
Paper	1,305.20	1,160.16
Tires	8,483.46	6,190.93
Wood	32,131.11	34,351.91
Mattresses	-	176.88
TOTAL	83,836.080	84,423.78